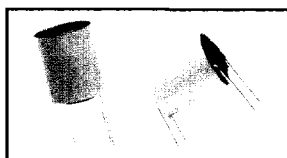


MODELS VIV AND VIH INDUCTORS

Miniature, Variable



FEATURES

- Classification is Grade 2, Class B
- Encapsulated in epoxy resin for reliability
- High reliability and exceptional stability over extreme temperature variations
- Miniature - small lightweight unit in vertical and horizontal styles to facilitate PC board mounting

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. NOM. (μ H)	TUNABLE RANGE	Q MIN.	TEST FREQ. (MHz)	SRF MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
VIV-, VIH-	.10	$\pm 10\%$	68	25	300	.02	3500
VIV-, VIH-	.15	$\pm 15\%$	80	25	300	.035	2600
VIV-, VIH-	.22	$\pm 15\%$	80	25	300	.04	2500
VIV-, VIH-	.33	$\pm 20\%$	80	25	267	.04	2500
VIV-, VIH-	.47	$\pm 20\%$	80	25	228	.05	2200
VIV-, VIH-	.68	$\pm 20\%$	80	25	190	.07	1850
VIV-, VIH-	1.0	$\pm 20\%$	72	25	164	.13	1350
VIV-, VIH-	1.5	$\pm 20\%$	56	7.9	134	.24	1000
VIV-, VIH-	2.2	$\pm 20\%$	58	7.9	108	.30	890
VIV-, VIH-	3.3	$\pm 20\%$	64	7.9	90	.45	730
VIV-, VIH-	4.7	$\pm 20\%$	60	7.9	80	.80	550
VIV-, VIH-	6.8	$\pm 20\%$	64	7.9	64	1.1	460
VIV-, VIH-	10	$\pm 20\%$	66	7.9	54	1.9	355
VIV-, VIH-	15	$\pm 20\%$	52	2.5	43	3.2	270
VIV-, VIH-	22	$\pm 20\%$	44	2.5	14	3.4	265
VIV-, VIH-	33	$\pm 20\%$	43	2.5	12	3.6	255
VIV-, VIH-	47	$\pm 20\%$	41	2.5	10.5	4.5	230
VIV-, VIH-	68	$\pm 20\%$	44	2.5	9.5	5.5	210
VIV-, VIH-	100	$\pm 20\%$	40	2.5	8.5	6.7	190
VIV-, VIH-	150	$\pm 20\%$	40	.79	2.4	11	150
VIV-, VIH-	220	$\pm 20\%$	40	.79	2.2	13	135
VIV-, VIH-	330	$\pm 20\%$	38	.79	1.8	16	120
VIV-, VIH-	470	$\pm 20\%$	36	.79	1.5	18	115
VIV-, VIH-	680	$\pm 20\%$	34	.79	1.4	21	105
VIV-, VIH-	1000	$\pm 20\%$	32	.79	1.1	38	80
VIV-, VIH-	1500	$\pm 20\%$	32	.25	.9	54	65
VIV-, VIH-	2200	$\pm 20\%$	35	.25	.8	66	60
VIV-, VIH-	3300	$\pm 20\%$	37	.25	.7	85	54
VIV-, VIH-	4700	$\pm 20\%$	38	.25	.6	99	49

ELECTRICAL SPECIFICATIONS

Adjustable Inductance Range: Tunable range: $\pm 20\%$ for .33 μ H to 4700 μ H. $\pm 15\%$ for .15 μ H to .22 μ H. $\pm 10\%$ for .10 μ H. All measurements at $+25^\circ\text{C}$ on Q-Meter.

Operating Temperature: -55°C to $+125^\circ\text{C}$.

Self-Resonant Frequency: Minimum SRF measured with Grid-Dip Meter.

MECHANICAL SPECIFICATIONS

Tuning Tool: 642867-01 or equal.

Torque: .75 to 5 inch-ounces.

Terminal Strength: Meets 5 pound pull tests.

Core Material: Iron.

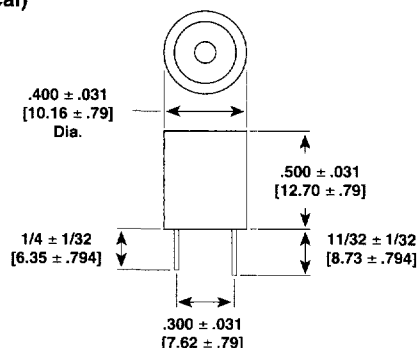
DENSITY SPECIFICATIONS

Weight: 2.6 grams maximum.

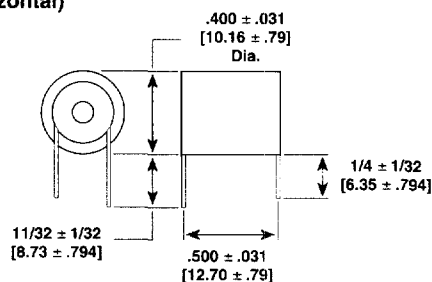
DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]

VIV (Vertical)



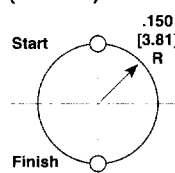
VIH (Horizontal)



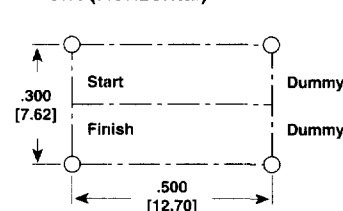
Terminal Leads #22 .025 $\pm$.002 [6.35 $\pm$.051] TCW

Mounting Plate Data

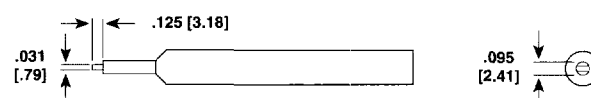
VIV (Vertical)



VIH (Horizontal)



Tuning Tool Number 642867-01



PART MARKING

— Manufacturer data printed

HOW TO ORDER

VIV or VIH
MODEL

.10 μ H
INDUCTANCE
VALUE

$\pm 10\%$
INDUCTANCE
TOLERANCE